Stat 7201: Probability
Course Syllabus, Fall 2013

Instructor: David Sivakoff
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Office: Cockins Hall 440N
Office hours: Thursday 11am–12pm, and by appointment (at least 48 hours in advance).
Course time and location: TuTh 9:35–10:55am Baker Systems Engineering 260
Course webpage: On Carmen: carmen.osu.edu

Content
This is a measure-theoretic probability course. The focus will be on developing a deep understanding of the modern mathematical theory of probability, and there will be a strong emphasis on writing rigorous proofs. Specific topics include: probability spaces, random variables, expectation (integration), types of convergence, limit theorems (LLN, CLT), and conditional expectation.

Homework (30%)
Homework assignments will be posted on the course webpage most weeks, and will be due at the start of class on the due date. You are encouraged to discuss homework problems with other students, but you must prepare your own solutions. You may ask me for assistance after you have made a concerted attempt to solve the problems. Unexcused late homework will not be accepted. Multiple page submissions must be stapled before coming to class, and your name and the assignment number must be on the front page.

Midterm and Final Exams (35% each)
There will be one midterm exam and one final exam. Both exams are in-class and closed book. The final exam will be comprehensive and is on Friday, December 6 at 10am to 11:45am.

Ethics
All students are expected to adhere to the Ohio State University code of conduct:

trustees.osu.edu/rules/code-of-student-conduct/

You are encouraged to discuss the homework assignments with your classmates and both offer and receive advice. However, the final submission must be your own work. For both in-class exams and the final exam, you must work completely independently.

Missed Work
Please notify me as soon as possible if you will miss any deadlines or exams due to illness or family emergency. Also, if you know in advance that you will miss an exam due to religious observances or a varsity sport, you must let me know as soon as possible, and at least one week before the exam. Attendance in class is required, and you are responsible for making up for the material covered in class during any absence.
Miscellany

- Learning this material, like anything else, takes time. Allow yourself this time by trying to do a little bit of reading from the textbook and a little bit of problem-solving each day, rather than waiting until a deadline is near. I will not have time to cover everything written in the book, so it is important that you read the text to fill in the gaps.

- Check your email and the course website frequently. I will use the website to post homework assignments, information about the exams, rescheduled office hours, etc.

- Please feel free to approach me with any questions or concerns - my primary goal is to help you learn the material. I hope you enjoy the class!